FIG. 1

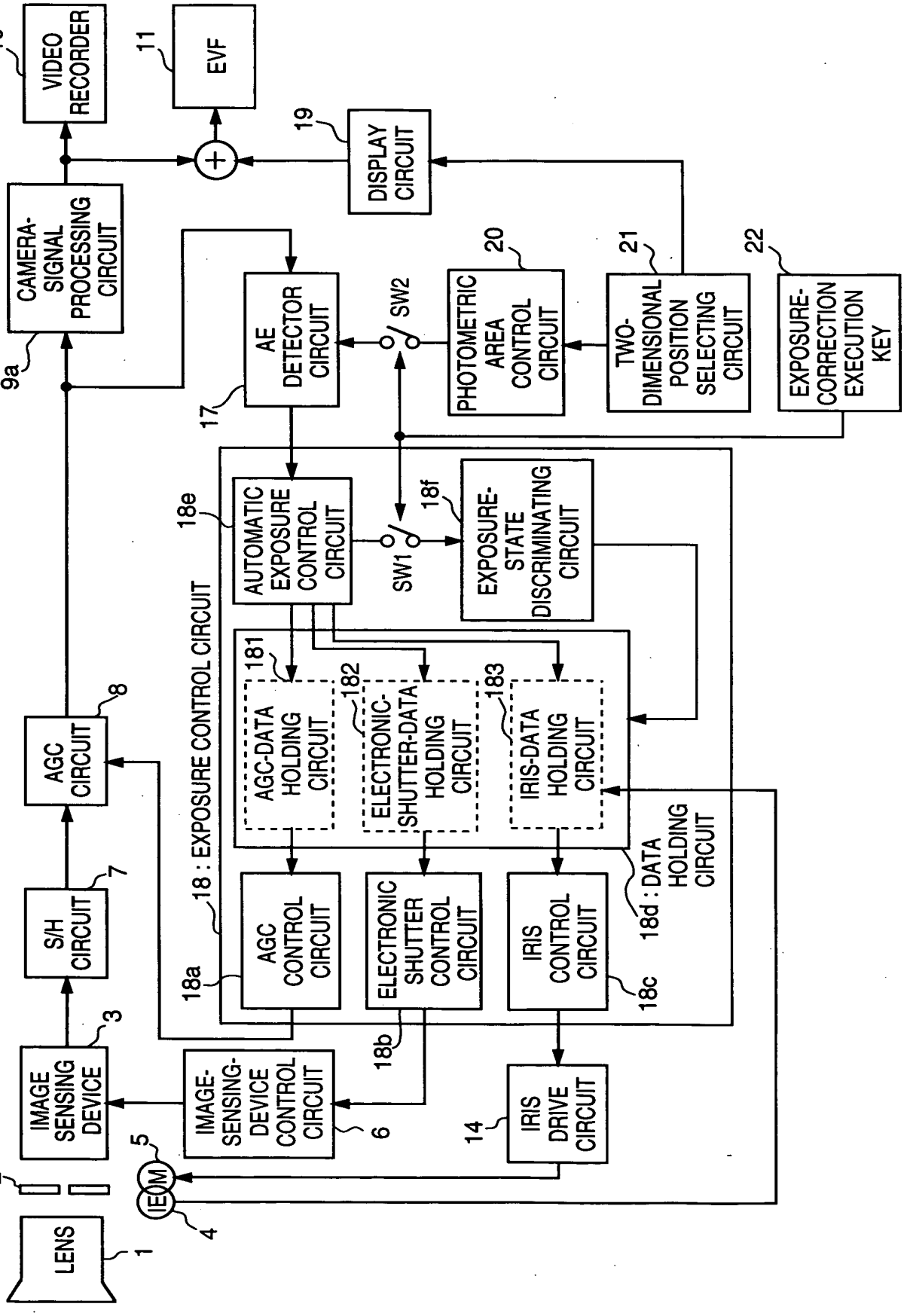
LENS
1
2
IRIS
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
CAMERA-SIGNAL PROCESSING CIRCUIT
9a
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
AE DETECTOR CIRCUIT
17
SW2
PHOTOMETRIC AREA CONTROL CIRCUIT
20
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE-CORRECTION EXECUTION KEY
22
18 : EXPOSURE CONTROL CIRCUIT
AUTOMATIC EXPOSURE CONTROL CIRCUIT
18e
SW1
18f
EXPOSURE-STATE DISCRIMINATING CIRCUIT
AGC-DATA HOLDING CIRCUIT
181
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
182
IRIS-DATA HOLDING CIRCUIT
183
18d : DATA HOLDING CIRCUIT
AGC CONTROL CIRCUIT
18a
ELECTRONIC SHUTTER CONTROL CIRCUIT
18b
IRIS CONTROL CIRCUIT
18c
IRIS DRIVE CIRCUIT
14

FIG. 2

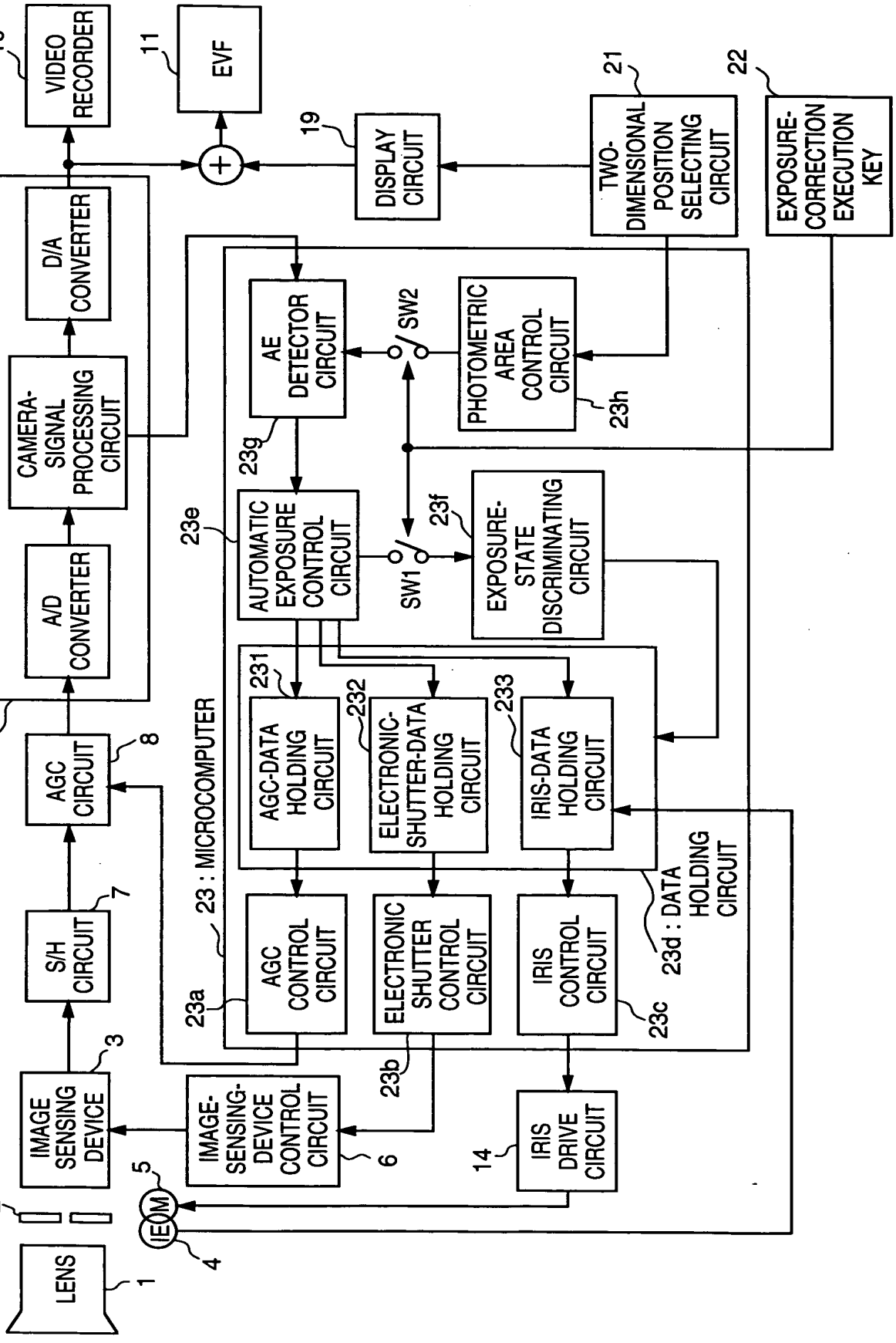
LENS
1
2
IRIS
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
9b
A/D CONVERTER
CAMERA-SIGNAL PROCESSING CIRCUIT
D/A CONVERTER
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE-CORRECTION EXECUTION KEY
22
23 : MICROCOMPUTER
AE DETECTOR CIRCUIT
23g
SW2
PHOTOMETRIC AREA CONTROL CIRCUIT
23h
AUTOMATIC EXPOSURE CONTROL CIRCUIT
23e
SW1
EXPOSURE-STATE DISCRIMINATING CIRCUIT
23f
231
AGC-DATA HOLDING CIRCUIT
232
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
233
IRIS-DATA HOLDING CIRCUIT
23d : DATA HOLDING CIRCUIT
AGC CONTROL CIRCUIT
23a
ELECTRONIC SHUTTER CONTROL CIRCUIT
23b
IRIS CONTROL CIRCUIT
23c
IRIS DRIVE CIRCUIT
14

FIG. 3

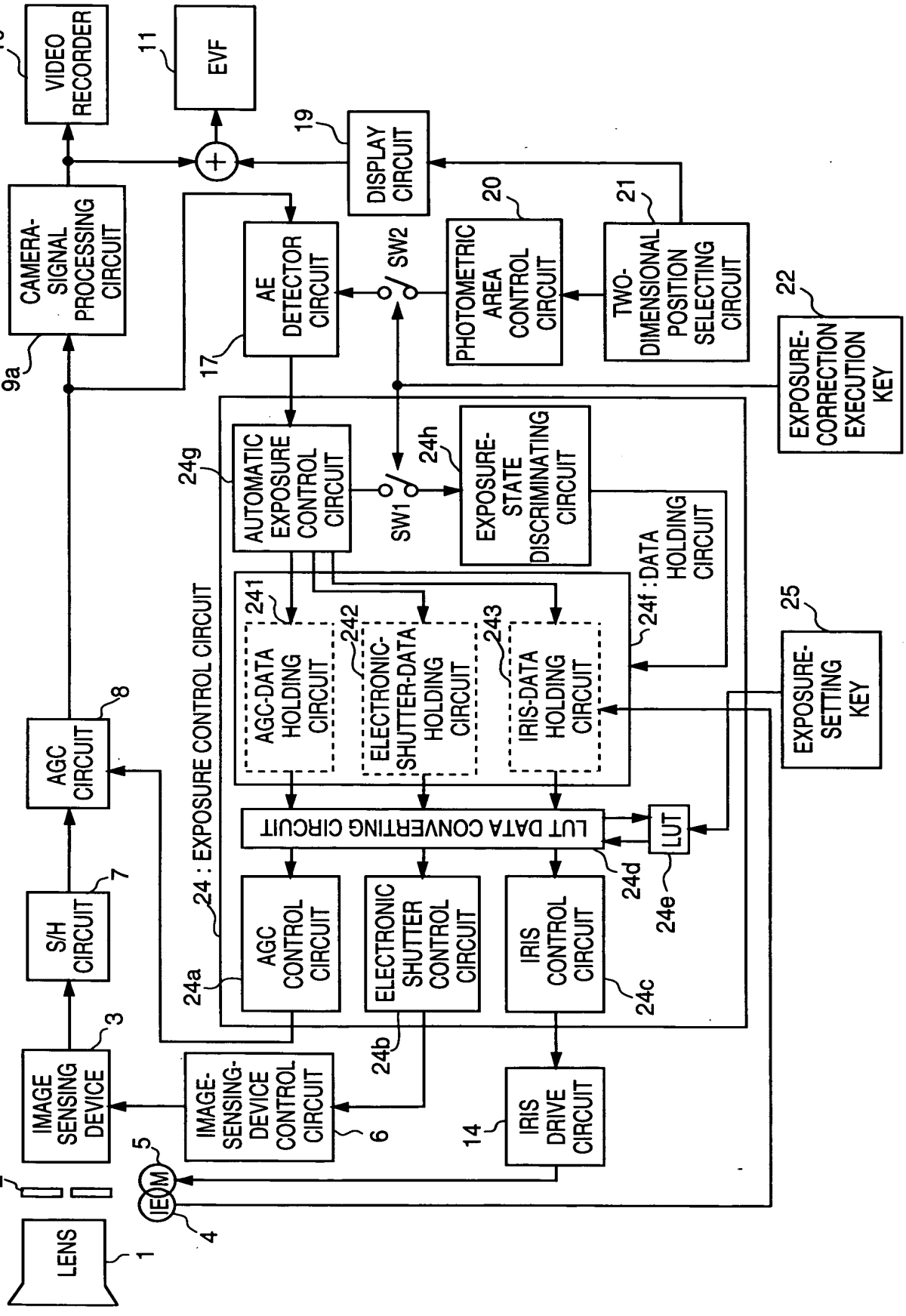
LENS
1
2
IRIS
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
CAMERA-SIGNAL PROCESSING CIRCUIT
9a
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
AE DETECTOR CIRCUIT
17
SW2
PHOTOMETRIC AREA CONTROL CIRCUIT
20
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE-CORRECTION EXECUTION KEY
22
24 : EXPOSURE CONTROL CIRCUIT
AUTOMATIC EXPOSURE CONTROL CIRCUIT
24g
SW1
24h
EXPOSURE-STATE DISCRIMINATING CIRCUIT
24f : DATA HOLDING CIRCUIT
AGC-DATA HOLDING CIRCUIT
241
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
242
IRIS-DATA HOLDING CIRCUIT
243
EXPOSURE-SETTING KEY
25
LUT DATA CONVERTING CIRCUIT
LUT
24d
24e
AGC CONTROL CIRCUIT
24a
ELECTRONIC SHUTTER CONTROL CIRCUIT
24b
IRIS CONTROL CIRCUIT
24c
IRIS DRIVE CIRCUIT
14

FIG. 4

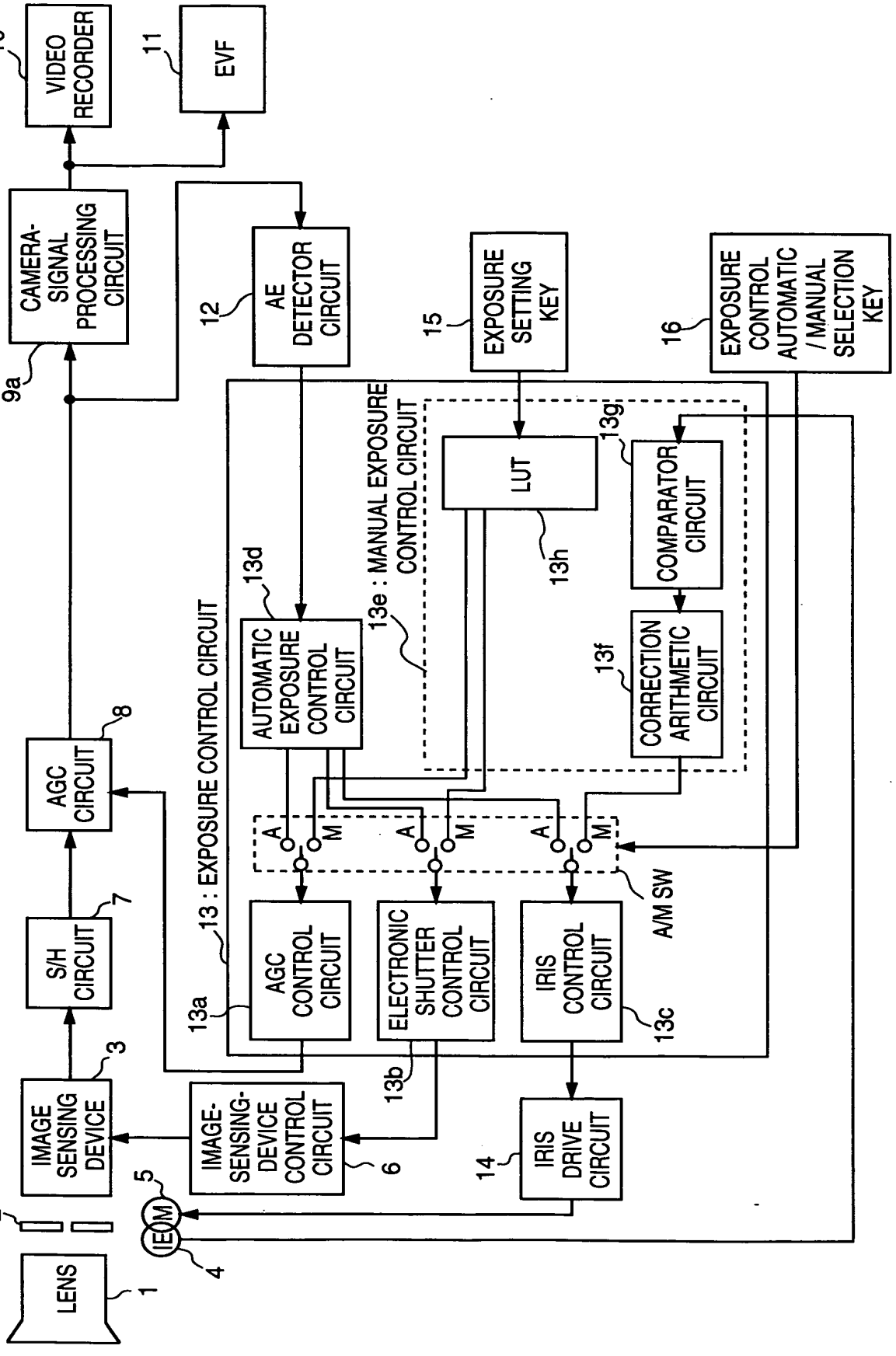
LENS
1
2
IRIS
5
4
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
CAMERA-SIGNAL PROCESSING CIRCUIT
9a
VIDEO RECORDER
10
EVF
11
AE DETECTOR CIRCUIT
12
13 : EXPOSURE CONTROL CIRCUIT
AUTOMATIC EXPOSURE CONTROL CIRCUIT
13d
13e : MANUAL EXPOSURE CONTROL CIRCUIT
LUT
13h
13g
COMPARATOR CIRCUIT
13f
CORRECTION ARITHMETIC CIRCUIT
A
M
A/M SW
AGC CONTROL CIRCUIT
13a
ELECTRONIC SHUTTER CONTROL CIRCUIT
13b
IRIS CONTROL CIRCUIT
13c
IRIS DRIVE CIRCUIT
14
EXPOSURE SETTING KEY
15
EXPOSURE CONTROL AUTOMATIC /MANUAL SELECTION KEY
16

FIG. 5

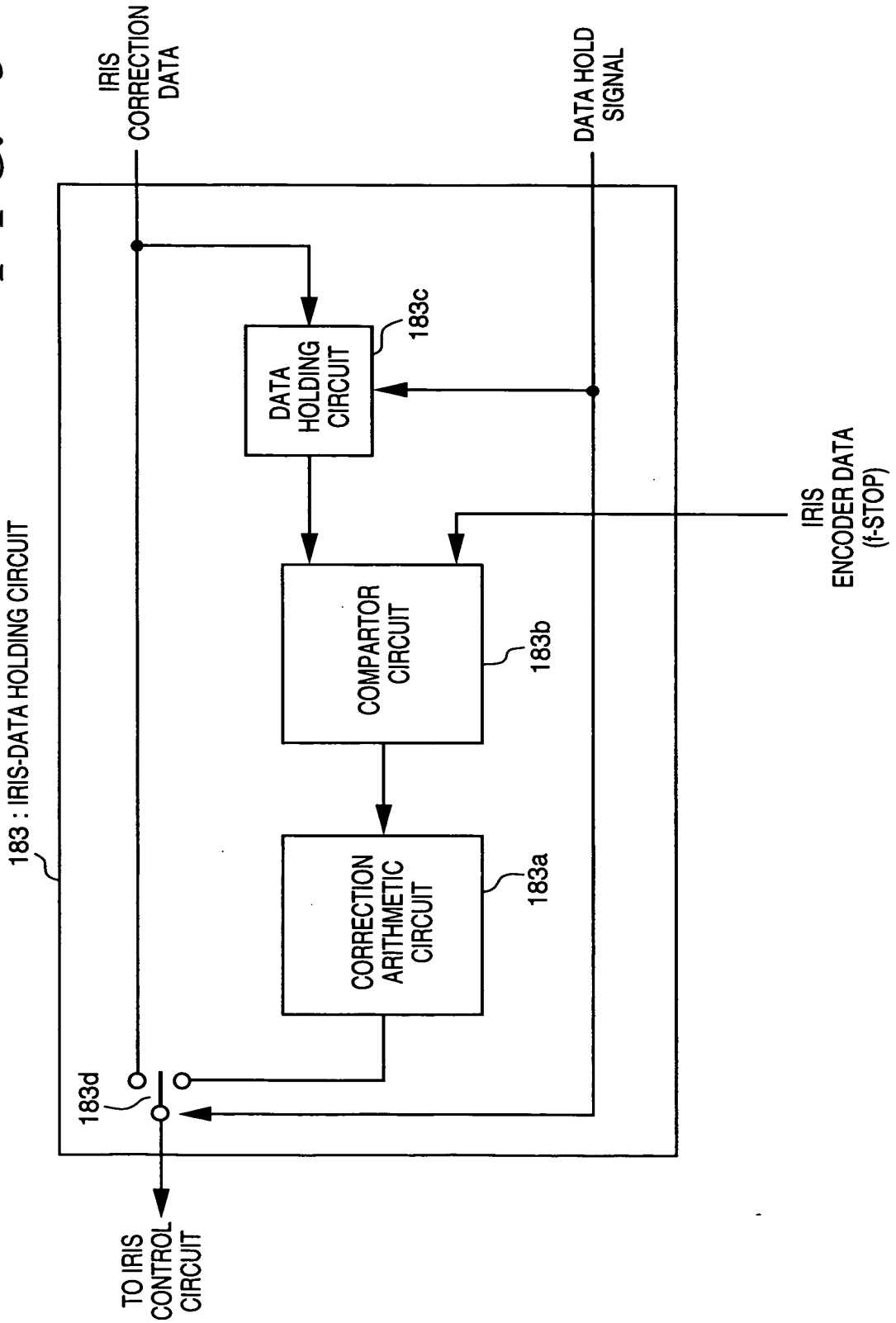
IRIS CORRECTION DATA
DATA HOLD SIGNAL
183 : IRIS-DATA HOLDING CIRCUIT
DATA HOLDING CIRCUIT
183c
COMPARTOR CIRCUIT
183b
CORRECTION ARITHMETIC CIRCUIT
183a
IRIS ENCODER DATA (f-STOP)
183d
TO IRIS CONTROL CIRCUIT

FIG. 6

① LUT EXAMPLE 1

DATA No.	IRIS DATA
data1	OPEN
data2	F.2.8
data3	F4
data4	F5.6
data5	F8
data6	F11
data7	F16
data8	F22
data9	F32
data10	CLOSE

② LUT EXMPLE 2

DATA No.	IRIS DATA	AGC DATA	SHUTTER DATA
data1	OPEN	MAX	1/60
data2	↓	18dB	↓
data3	↓	12dB	↓
data4	↓	6dB	↓
data5	↓	0dB	↓
data6	F2.8	↓	↓
data7	F4	↓	↓
data8	F5.6	↓	↓
data9	F8	↓	↓
data10	F11	↓	↓
data11	F22	↓	↓
data12	F32	↓	↓
data13	↓	↓	1/100
data14	↓	↓	1/250
data15	↓	↓	1/500
data16	↓	↓	1/1000
data17	CLOSE	↓	↓

FIG. 7A

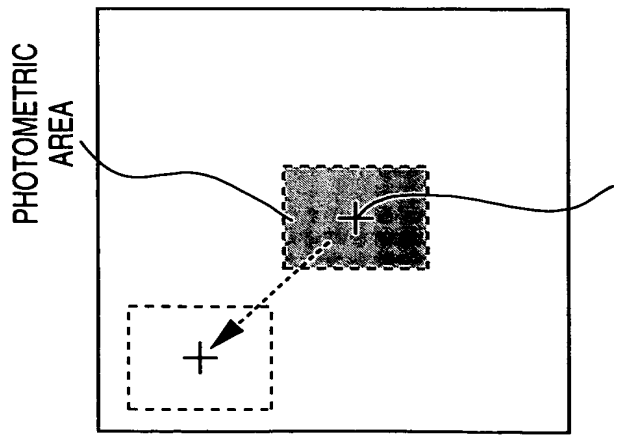

FIG. 7B

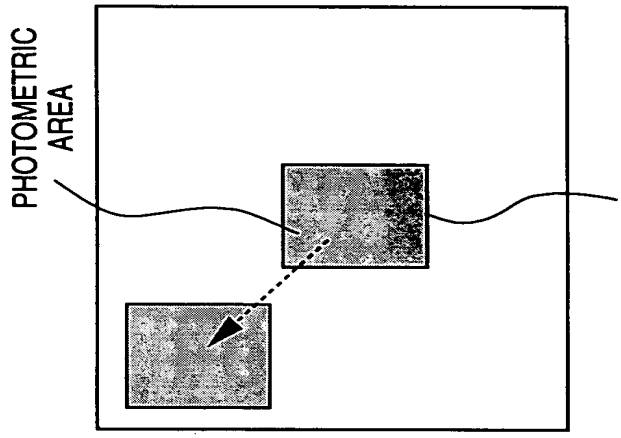

FIG. 7C

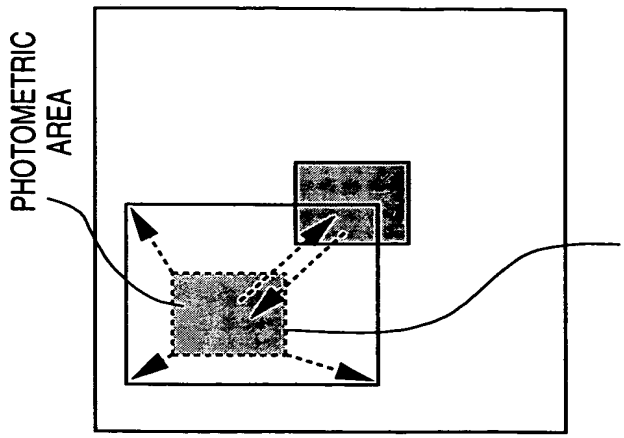

FIG. 8

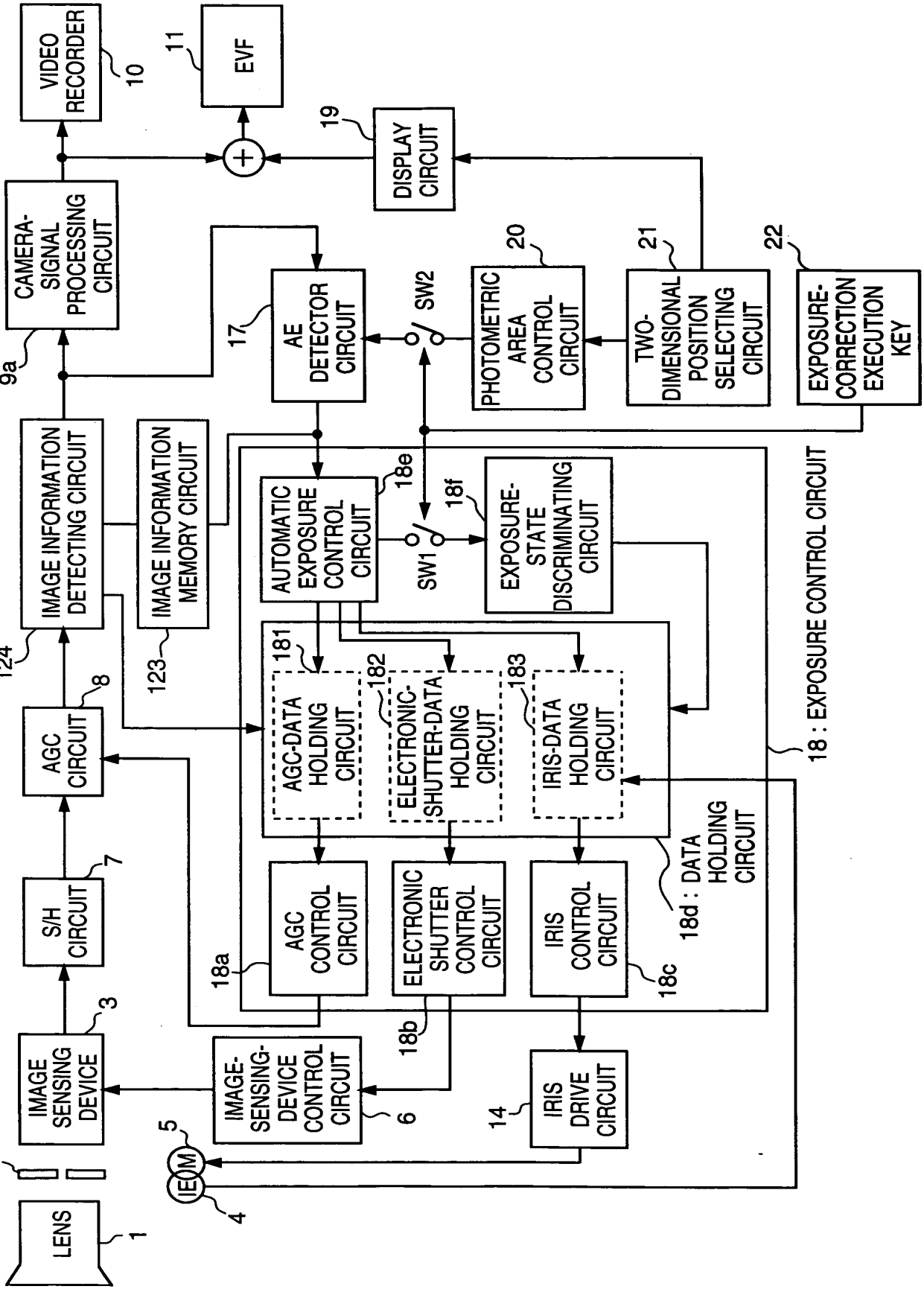
LENS
1
2
IEM
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
IMAGE INFORMATION DETECTING CIRCUIT
124
IMAGE INFORMATION MEMORY CIRCUIT
123
CAMERA-SIGNAL PROCESSING CIRCUIT
9a
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
AE DETECTOR CIRCUIT
17
SW2
PHOTOMETRIC AREA CONTROL CIRCUIT
20
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE-CORRECTION EXECUTION KEY
22
AUTOMATIC EXPOSURE CONTROL CIRCUIT
18e
SW1
18f
EXPOSURE-STATE DISCRIMINATING CIRCUIT
AGC-DATA HOLDING CIRCUIT
181
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
182
IRIS-DATA HOLDING CIRCUIT
183
18 : EXPOSURE CONTROL CIRCUIT
18d : DATA HOLDING CIRCUIT
AGC CONTROL CIRCUIT
18a
ELECTRONIC SHUTTER CONTROL CIRCUIT
18b
IRIS CONTROL CIRCUIT
18c
IRIS DRIVE CIRCUIT
14

FIG. 9

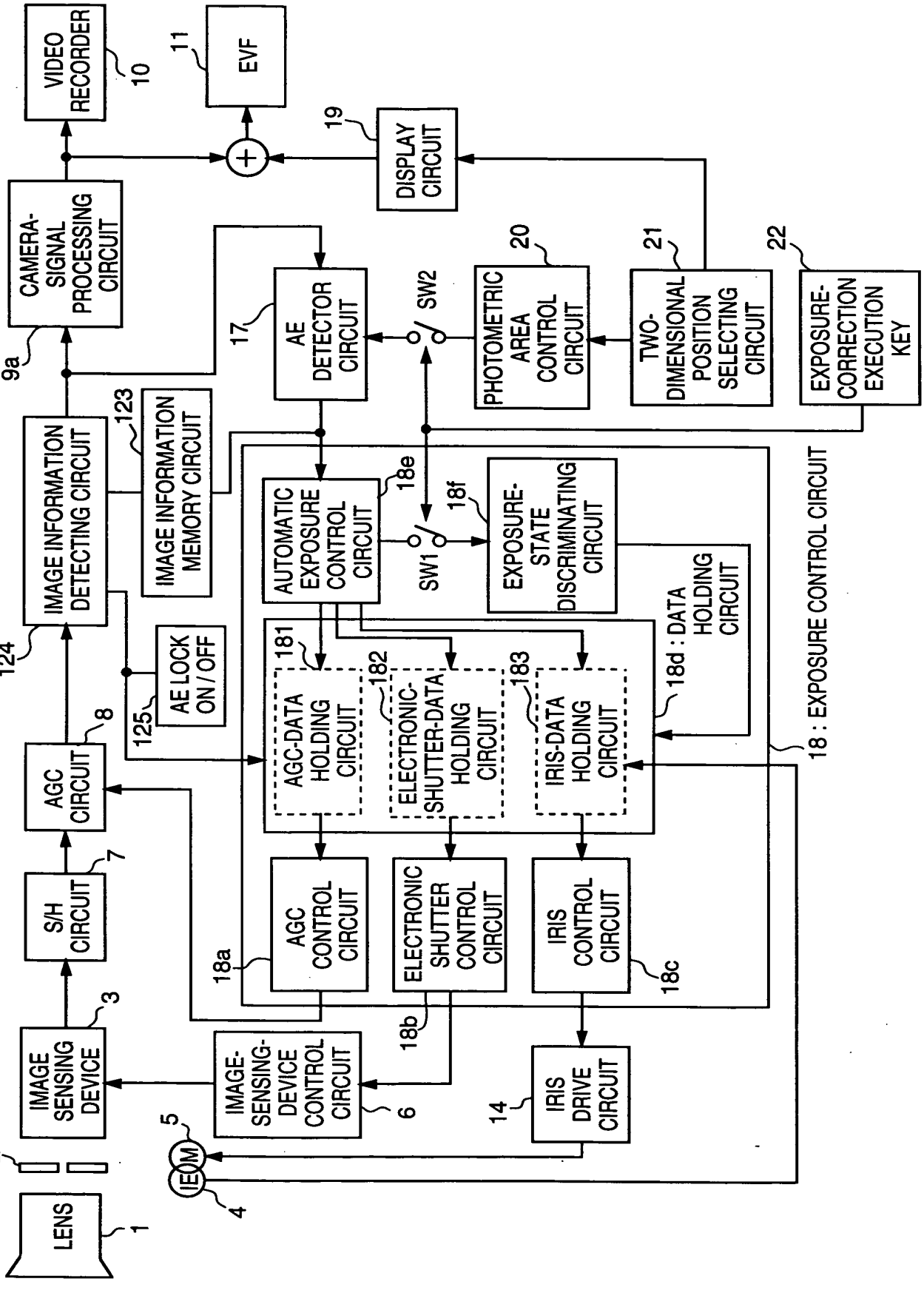
LENS
1
2
IRIS
IEM
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
AE LOCK ON / OFF
125
124
IMAGE INFORMATION DETECTING CIRCUIT
123
IMAGE INFORMATION MEMORY CIRCUIT
9a
CAMERA-SIGNAL PROCESSING CIRCUIT
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
AE DETECTOR CIRCUIT
17
SW2
PHOTOMETRIC AREA CONTROL CIRCUIT
20
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE-CORRECTION EXECUTION KEY
22
AUTOMATIC EXPOSURE CONTROL CIRCUIT
18e
SW1
18f
EXPOSURE-STATE DISCRIMINATING CIRCUIT
18d : DATA HOLDING CIRCUIT
181
AGC-DATA HOLDING CIRCUIT
182
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
183
IRIS-DATA HOLDING CIRCUIT
18 : EXPOSURE CONTROL CIRCUIT
18a
AGC CONTROL CIRCUIT
18b
ELECTRONIC SHUTTER CONTROL CIRCUIT
IRIS CONTROL CIRCUIT
18c
14
IRIS DRIVE CIRCUIT

FIG. 10

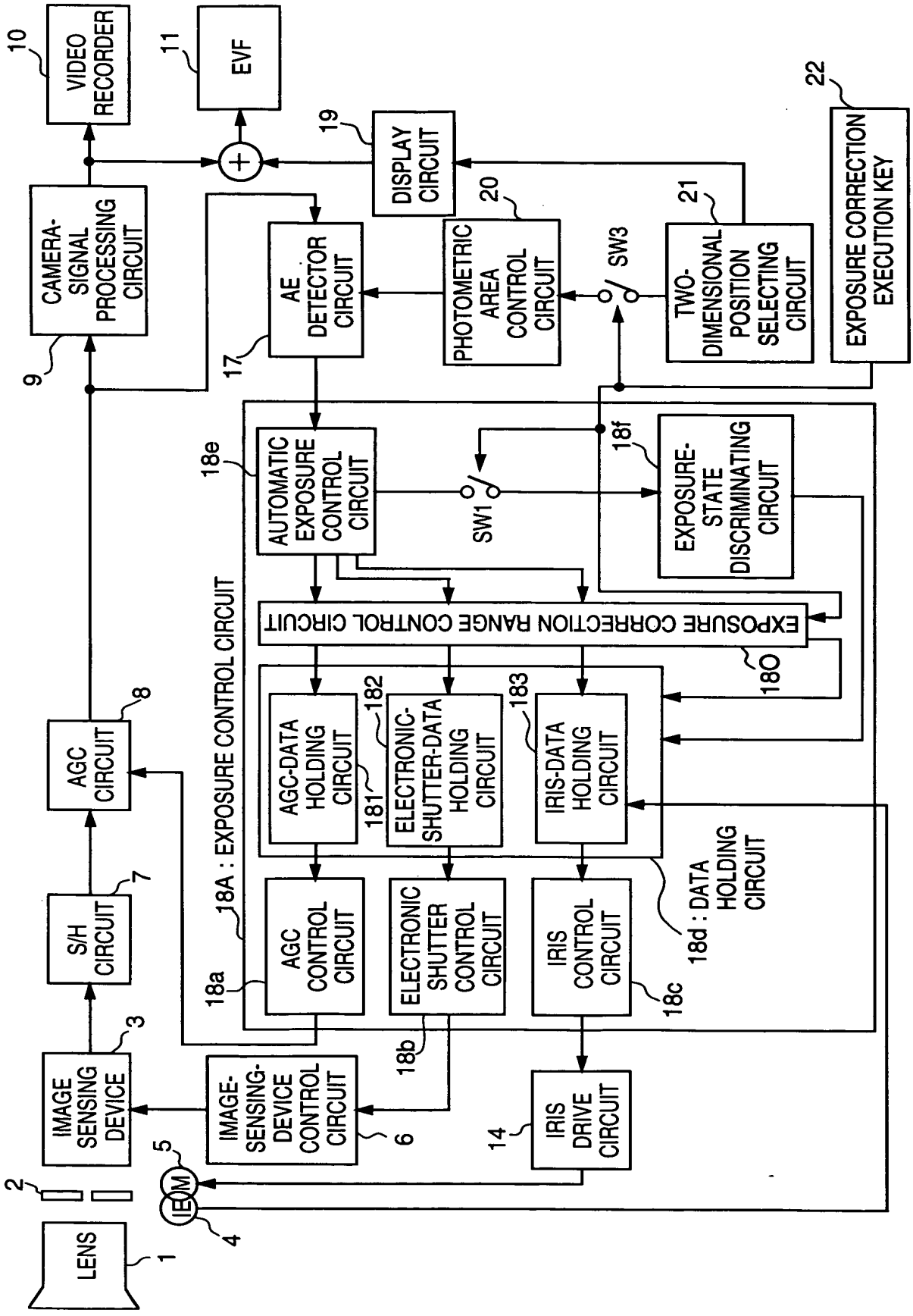
LENS
1
2
IRIS
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
CAMERA-SIGNAL PROCESSING CIRCUIT
9
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
AE DETECTOR CIRCUIT
17
PHOTOMETRIC AREA CONTROL CIRCUIT
20
SW3
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE CORRECTION EXECUTION KEY
22
AUTOMATIC EXPOSURE CONTROL CIRCUIT
18e
SW1
EXPOSURE-STATE DISCRIMINATING CIRCUIT
18f
EXPOSURE CORRECTION RANGE CONTROL CIRCUIT
18O
18A : EXPOSURE CONTROL CIRCUIT
AGC-DATA HOLDING CIRCUIT
181
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
182
IRIS-DATA HOLDING CIRCUIT
183
18d : DATA HOLDING CIRCUIT
AGC CONTROL CIRCUIT
18a
ELECTRONIC SHUTTER CONTROL CIRCUIT
18b
IRIS CONTROL CIRCUIT
18c
IRIS DRIVE CIRCUIT
14

FIG. 11

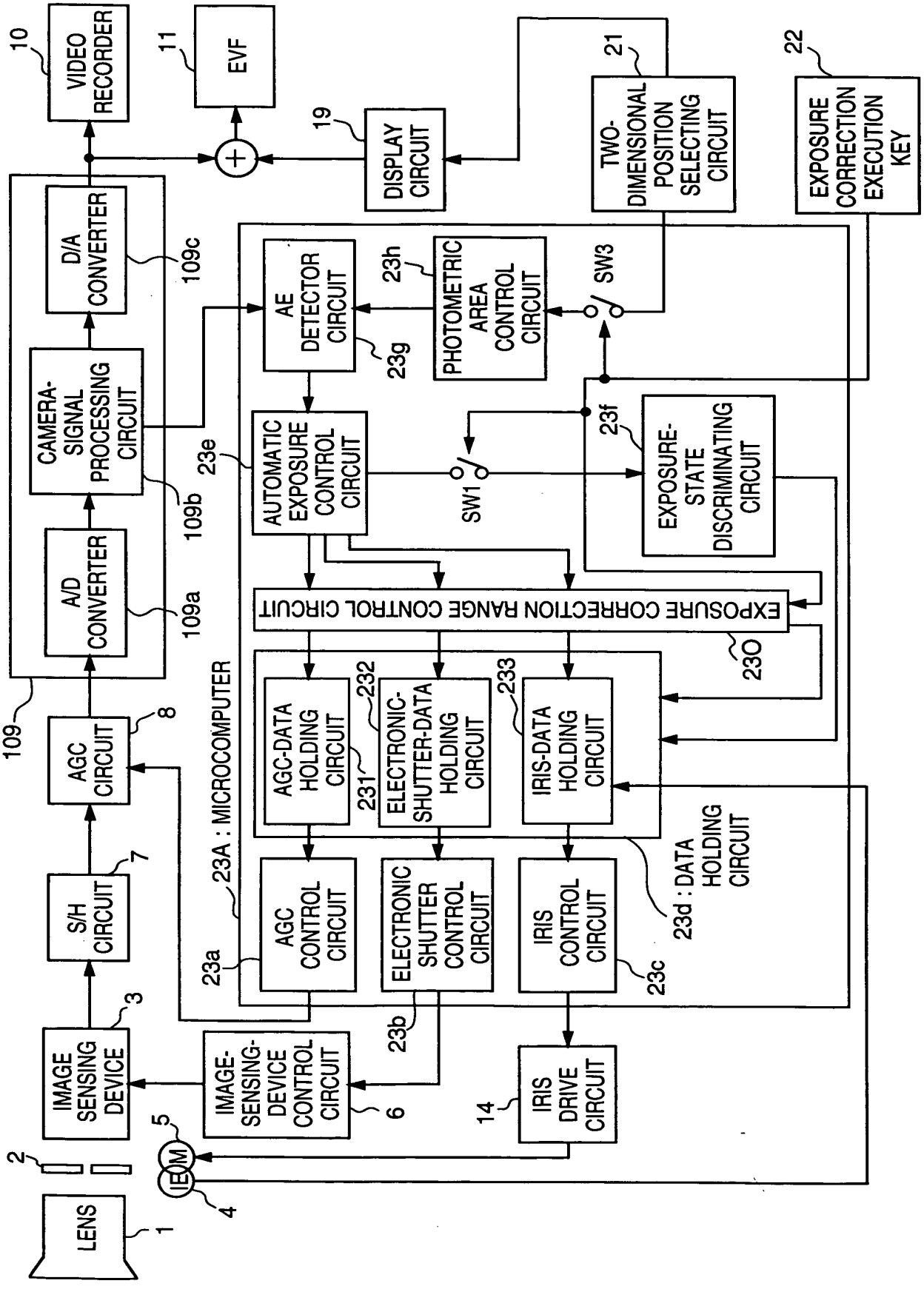
LENS
1
2
IEM
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
109
A/D CONVERTER
109a
CAMERA-SIGNAL PROCESSING CIRCUIT
109b
D/A CONVERTER
109c
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE CORRECTION EXECUTION KEY
22
AE DETECTOR CIRCUIT
23g
PHOTOMETRIC AREA CONTROL CIRCUIT
23h
SW3
AUTOMATIC EXPOSURE CONTROL CIRCUIT
23e
SW1
EXPOSURE-STATE DISCRIMINATING CIRCUIT
23f
EXPOSURE CORRECTION RANGE CONTROL CIRCUIT
23O
23A : MICROCOMPUTER
AGC-DATA HOLDING CIRCUIT
231
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
232
IRIS-DATA HOLDING CIRCUIT
233
23d : DATA HOLDING CIRCUIT
AGC CONTROL CIRCUIT
23a
ELECTRONIC SHUTTER CONTROL CIRCUIT
23b
IRIS CONTROL CIRCUIT
23c
IRIS DRIVE CIRCUIT
14

FIG. 12

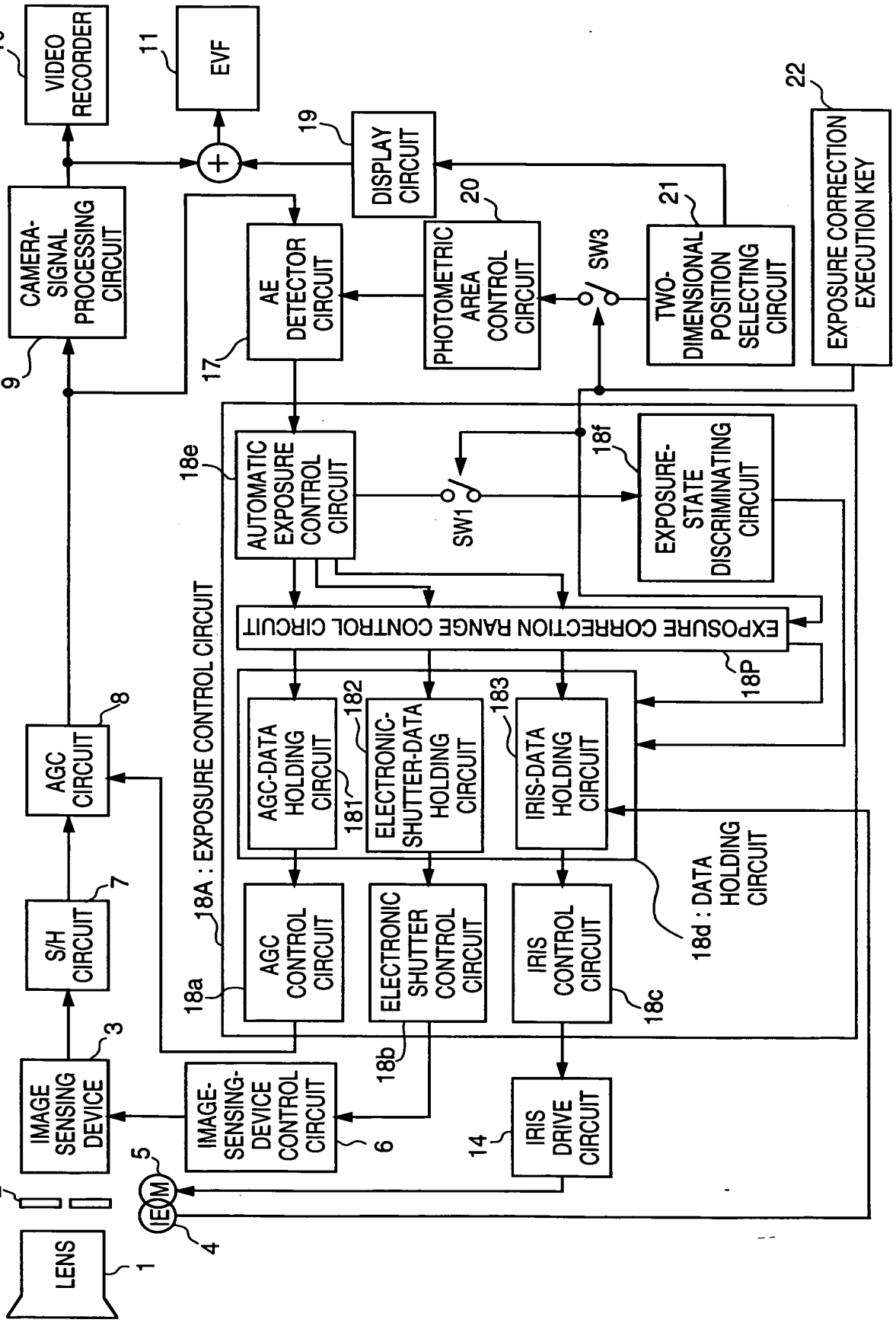
LENS
1
2
IE(M)
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
CAMERA-SIGNAL PROCESSING CIRCUIT
9
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
AE DETECTOR CIRCUIT
17
PHOTOMETRIC AREA CONTROL CIRCUIT
20
SW3
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE CORRECTION EXECUTION KEY
22
AUTOMATIC EXPOSURE CONTROL CIRCUIT
18e
SW1
EXPOSURE-STATE DISCRIMINATING CIRCUIT
18f
EXPOSURE CORRECTION RANGE CONTROL CIRCUIT
18P
18A : EXPOSURE CONTROL CIRCUIT
AGC-DATA HOLDING CIRCUIT
181
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
182
IRIS-DATA HOLDING CIRCUIT
183
18d : DATA HOLDING CIRCUIT
AGC CONTROL CIRCUIT
18a
ELECTRONIC SHUTTER CONTROL CIRCUIT
18b
IRIS CONTROL CIRCUIT
18c
IRIS DRIVE CIRCUIT
14

FIG. 13

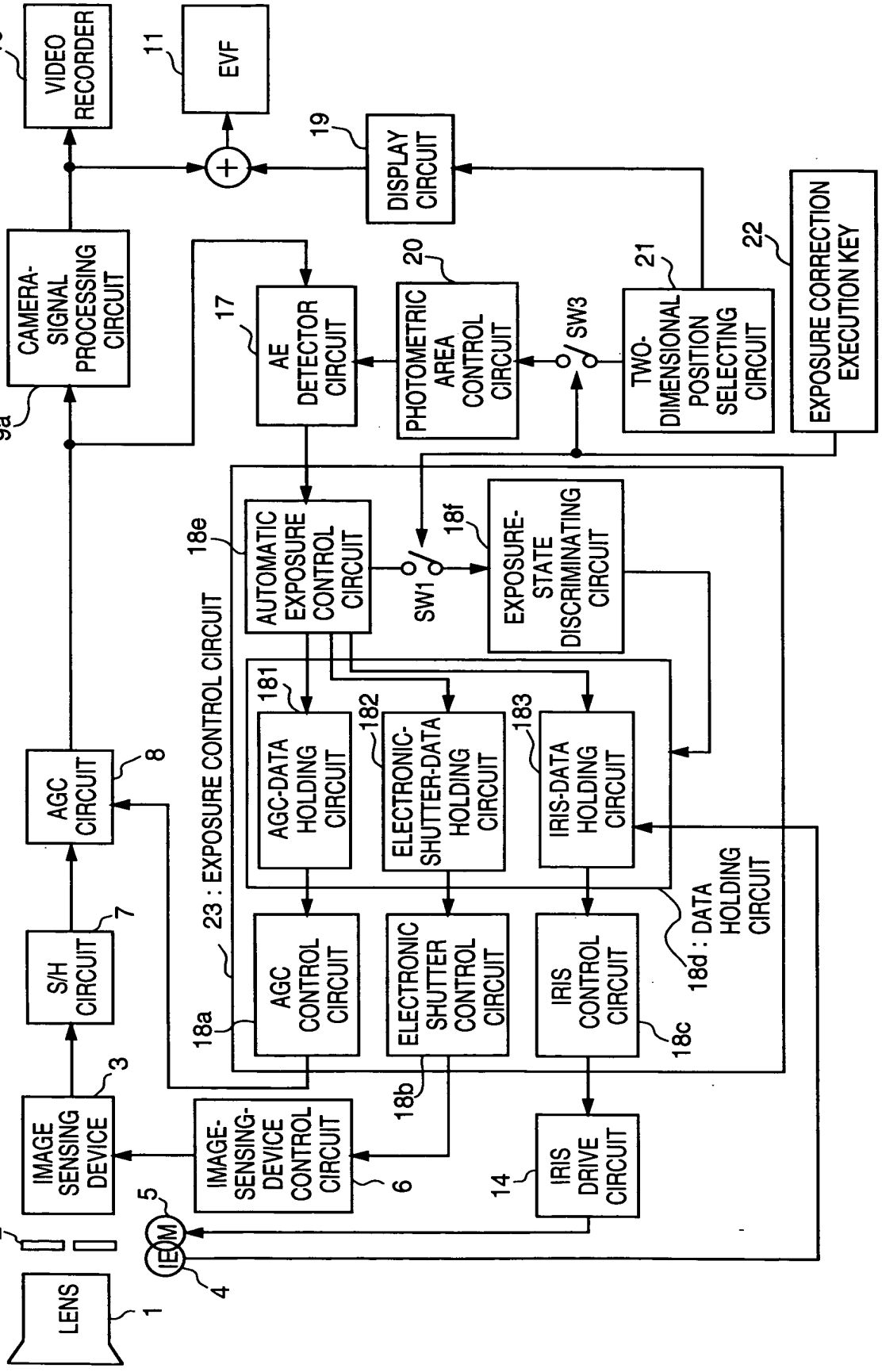
LENS
1
2
IEM
4
5
IMAGE SENSING DEVICE
3
IMAGE-SENSING-DEVICE CONTROL CIRCUIT
6
S/H CIRCUIT
7
AGC CIRCUIT
8
CAMERA-SIGNAL PROCESSING CIRCUIT
9a
VIDEO RECORDER
10
EVF
11
DISPLAY CIRCUIT
19
AE DETECTOR CIRCUIT
17
PHOTOMETRIC AREA CONTROL CIRCUIT
20
SW3
TWO-DIMENSIONAL POSITION SELECTING CIRCUIT
21
EXPOSURE CORRECTION EXECUTION KEY
22
AUTOMATIC EXPOSURE CONTROL CIRCUIT
18e
SW1
18f
EXPOSURE-STATE DISCRIMINATING CIRCUIT
23 : EXPOSURE CONTROL CIRCUIT
AGC-DATA HOLDING CIRCUIT
181
ELECTRONIC-SHUTTER-DATA HOLDING CIRCUIT
182
IRIS-DATA HOLDING CIRCUIT
183
18d : DATA HOLDING CIRCUIT
AGC CONTROL CIRCUIT
18a
ELECTRONIC SHUTTER CONTROL CIRCUIT
18b
IRIS CONTROL CIRCUIT
18c
IRIS DRIVE CIRCUIT
14

FIG. 14

DATA No.	IRIS DATA	AGC DATA	SHUTTER DATA
data1	OPEN	MAX	1/60
data2		18dB	
data3		12dB	
data4		6dB	
data5		0dB	
data6	F2.8		
data7	F4		
data8	F5.6		
data9	F8		
data10	F11		
data11	F22		
data12	F32		
data13			1/100
data14			1/250
data15			1/500
data16			1/1000
data17	CLOSE		

B (UPPER-LIMIT VALUE)

A (CENTER VALUE)

C (LOWER-LIMIT VALUE)

CORRECTION RANGE